



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

ROBERT G. HEITEL

Application No.: 09/843,044

Filed: April 25, 2001

For: AUTOMATIC LASER WELD
MACHINE FOR ASSEMBLING
PHOTONIC COMPONENTS

Examiner: Unknown

Art Group: 3627

#4

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, DC 20231-9999

Sir:

In accordance with Applicant's duty of disclosure under 37 C.F.R. §1.56, and in accordance with 37 C.F.R. §§1.97-1.98, Applicant submits the enclosed Form PTO/SB/08A (Modified), along with copies of the documents listed therein.

It is hereby stated that this Information Disclosure Statement is being filed before the mailing of an Office Action. Applicant does not believe that a fee is required. However, if any fee is required, please charge Deposit Account No. 09-0946. An extra copy of the Fee Transmittal is enclosed for Deposit Account charging purposes.

Respectfully submitted,

IRELL & MANELLA LLP

Dated: September 10, 2001

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
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Lynda P. Murray

09/10/2001

Date

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 7

Complete if known

Application Number 09/843,044
 Filing Date April 25, 2001
 First Named Inventor ROBERT G. HEITEL
 Group Art Unit 3627
 Examiner Name Unknown
 Attorney Docket Number 155603-0177 (P047)

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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code			
	1.	6,198,580		Dallakian	03/06/2001	
	2.	6,209,841		Houghton, Jr. et al.	04/03/2001	
	3.	5,946,023		Blanding	08/31/1999	
	4.	5,963,695		Joyce	10/05/1999	
	5.	6,016,230		Nunnally et al.	01/18/2000	
	6.	5,909,324		Bryant et al.	06/01/1999	
	7.	5,941,920		Schubert	08/24/1999	
	8.	5,852,519		Do et al.	12/22/1998	
	9.	5,880,894		Blakley	03/09/1999	
	10.	5,794,912		Whittaker et al.	08/18/1998	
	11.	5,745,633		Giebel et al.	04/28/1998	
	12.	5,930,057		Sechrist et al.	07/27/1999	
	13.	5,757,561		Sechrist et al.	05/26/1998	
	14.	5,765,800		Watanabe et al.	06/16/1998	
	15.	6,022,005		Gran et al.	02/08/2000	
	16.	5,825,558		Farmiga et al.	10/20/1998	
	17.	5,774,614		Gilliland et al.	06/30/1998	
	18.	5,748,821		Schempp et al.	05/05/1998	
	19.	5,761,360		Grois et al.	06/02/1998	
	20.	5,668,906		Yamamura et al.	09/16/1997	
	21.	5,737,132		Luecke et al.	04/07/1998	
	22.	5,717,804		Pan et al.	02/10/1998	
	23.	5,653,317		Wakui	08/05/1997	
	24.	5,751,877		Ishizaka et al.	05/12/1998	
	25.	5,655,045		Morlion et al.	08/05/1997	
	26.	5,619,609		Pan et al.	04/08/1997	
	27.	5,598,500		Crespel et al.	01/28/1997	
	28.	5,673,350		Song et al.	09/30/1997	
	29.	5,570,444		Janssen et al.	10/29/1996	
	30.	5,689,607		Vincent et al.	11/18/1997	
	31.	5,603,387		Beard et al.	02/18/1997	
	32.	5,725,066		Beard et al.	03/10/1998	
	33.	5,638,482		Winterhoff et al.	06/10/1997	
	34.	5,553,186		Allen	09/03/1996	
	35.	5,758,004		Alarcon et al.	05/26/1998	

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				First Named Inventor	ROBERT G. HEITEL
				Group Art Unit	3627
				Examiner Name	Unknown
Sheet	2	of	7	Attorney Docket Number	155603-0177 (P047)

	36.	5,617,501	Miller et al.	04/01/1997	
	37.	5,812,958	Mayama	09/22/1998	
	38.	5,793,921	Wilkins et al.	08/11/1998	
	39.	5,793,920	Wilkins et al.	08/11/1998	
	40.	5,530,785	Sakamoto et al.	06/25/1996	
	41.	5,530,547	Arnold	06/25/1996	
	42.	5,581,077	Chirovsky et al.	12/03/1996	
	43.	5,434,945	Burek et al.	07/18/1995	
	44.	5,638,267	Singhose et al.	06/10/1997	
	45.	5,428,225	Silva et al.	06/27/1995	
	46.	5,660,255	Schubert et al.	08/26/1997	
	47.	5,823,307	Schubert et al.	10/20/1998	
	48.	5,564,537	Shoureshi	10/15/1996	
	49.	5,410,145	Coroy	04/25/1995	
	50.	5,446,519	Makinouchi	08/29/1995	
	51.	5,428,635	Zhiglinsky et al.	06/27/1995	
	52.	5,367,140	Jonaneh et al.	11/22/1994	
	53.	5,502,598	Kimura et al.	03/26/1996	
	54.	5,563,972	Krausse et al.	10/08/1996	RECEIVED
	55.	5,337,383	DeAngelis et al.	08/09/1994	
	56.	5,528,718	Ray et al.	06/18/1996	
	57.	5,463,647	Pan	10/31/1995	SEP 19 2001
	58.	5,499,261	Welch et al.	03/12/1996	
	59.	5,469,265	Measures et al.	11/21/1995	70-3600 MAIL ROOM
	60.	5,311,278	Rosencher	05/10/1994	
	61.	5,251,863	Gossman et al.	10/12/1993	
	62.	5,300,755	Nishitani et al.	04/05/1994	
	63.	5,327,061	Gullapalli	07/05/1994	
	64.	5,434,944	Kerry et al.	07/18/1995	
	65.	5,285,995	Gonzalez et al.	02/15/1994	
	66.	5,218,610	Dixon	06/08/1993	
	67.	5,214,735	Henneberger et al.	05/25/1993	
	68.	5,321,539	Hirabayashi et al.	06/14/1994	
	69.	5,189,725	Bensel, III et al.	02/23/1993	
	70.	5,191,587	Hanson et al.	03/02/1993	
	71.	5,183,350	Kramer	02/02/1993	
	72.	5,289,559	Wilson	02/22/1994	
	73.	5,172,160	Van Eijk et al.	12/15/1992	
	74.	5,219,051	Davis	06/15/1993	
	75.	5,194,993	Bedzyk	03/16/1993	
	76.	5,319,435	Melle et al.	06/07/1994	

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77.	5,218,258	Shirasu et al.	06/08/1993
78.	5,138,496	Pong	08/11/1992
79.	5,140,470	Luecke	08/18/1992
80.	5,146,532	Hodge	09/08/1992
81.	5,132,824	Patel et al.	07/21/1992
82.	5,150,236	Patel	09/22/1992
83.	5,068,749	Patel	11/26/1991
84.	5,044,719	Nakamura	09/03/1991
85.	5,179,618	Anton	01/12/1993
86.	5,000,415	Sandercock	03/19/1991
87.	5,077,747	Hemmer et al.	12/31/1991
88.	4,978,910	Knox et al.	12/18/1990
89.	4,966,474	Geiger	10/30/1990
90.	4,988,165	Ishii et al.	01/29/1991
91.	5,058,124	Cameron et al.	10/15/1991
92.	5,062,012	Maeda et al.	10/29/1991
93.	4,914,867	Saito et al.	04/10/1990
94.	4,915,482	Collins et al.	04/10/1990
95.	4,854,667	Ebata et al.	08/08/1989
96.	4,837,768	Schmid	06/06/1989
97.	4,913,527	Jessop	04/03/1990
98.	4,916,635	Singer et al.	04/10/1990
99.	4,988,159	Turner et al.	01/29/1991
100.	4,850,671	Finzel	07/25/1989
101.	4,800,262	Lentine	01/24/1989
102.	4,842,397	Eisler	06/27/1989
103.	4,823,220	Milster et al.	04/18/1989
104.	4,807,750	Ryder et al.	02/28/1989
105.	4,782,223	Suzuki	11/01/1988
106.	4,779,959	Saunders	10/25/1988
107.	4,747,657	Chaoui et al.	05/31/1988
108.	4,938,564	Romero	07/03/1990
109.	4,787,691	Lorenzo et al.	11/29/1988
110.	4,763,979	Heywang	08/16/1988
111.	4,850,261	Greene	07/25/1989
112.	4,678,271	Beaulieu	07/07/1987
113.	4,779,946	Pimpinella et al.	10/25/1988
114.	4,657,429	Morris	04/14/1987
115.	4,701,013	Jurczyszyn et al.	10/20/1987
116.	4,679,908	Goodwin	07/14/1987
117.	4,714,315	Krause	12/22/1987

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				Group Art Unit			3627
				Examiner Name			Unknown
Sheet	4	of	7	Attorney Docket Number		155603-0177 (P047)	

118.	4,708,429	Clark et al.	11/24/1987
119.	4,720,163	Goodwin et al.	01/19/1988
120.	4,759,600	Caron et al.	07/26/1988
121.	4,677,290	Mitch	06/30/1987
122.	4,746,195	Auracher et al.	05/24/1988
123.	4,702,556	Ishii et al.	10/27/1987
124.	4,623,220	Grabbe et al.	11/18/1986
125.	4,673,245	Kling et al.	06/16/1987
126.	4,767,174	Carenco et al.	08/30/1988
127.	4,673,244	Miles	06/16/1987
128.	4,773,730	Sedlmayr	09/27/1988
129.	4,647,147	Pikulski et al.	03/03/1987
130.	4,748,632	Preston	05/31/1988
131.	4,647,331	Koury, Jr. et al.	03/03/1987
132.	4,615,031	Eales et al.	09/30/1986
133.	4,506,108	Kersch et al.	03/19/1985
134.	4,525,659	Imahashi et al.	06/25/1985
135.	4,469,929	Rosen et al.	09/04/1984
136.	4,479,698	Landis et al.	10/30/1984
137.	4,550,410	Chenausky et al.	10/29/1985
138.	4,500,165	Scholl et al.	02/19/1985
139.	4,523,802	Sakaguchi et al.	06/18/1985
140.	4,523,810	Goss et al.	06/18/1985
141.	4,469,399	Cowen et al.	09/04/1984
142.	4,435,037	Abramson et al.	03/06/1984
143.	4,387,956	Cline	06/14/1983
144.	4,664,732	Campbell et al.	05/12/1987
145.	4,355,323	Kock	10/19/1982
146.	4,350,867	Kinoshita et al.	09/21/1982
147.	4,332,469	Wendland	06/01/1982
148.	4,296,998	Dufft	10/27/1981
149.	4,316,678	F'Geppert	02/23/1982
150.	4,295,152	Khoe et al.	10/13/1981
151.	4,268,113	Noel, Jr.	05/19/1981
152.	4,403,243	Hakamada	09/06/1983
153.	4,237,474	Ladany	12/02/1980
154.	4,167,744	Nyul	09/11/1979
155.	4,357,072	Goodfellow et al.	11/02/1982
156.	4,164,363	Hsu	08/14/1979
157.	4,199,222	Ikushima et al.	04/22/1980
158.	4,144,504	Leggett et al.	03/13/1979

Examiner: _____ Date Considered: _____

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Sheet	5	of	7	Attorney Docket Number	155603-0177 (P047)

	159.	4,079,404		Comerford et al.	03/14/1978	
	160.	4,088,396		Edelstein	05/09/1978	
	161.	4,030,811		Khoe et al.	06/21/1977	
	162.	4,119,363		Camlibel et al.	10/10/1978	
	163.	4,065,203		Goell et al.	12/27/1977	
	164.	3,917,201		Roll	11/04/1975	
	165.	3,945,246		Wadensten	03/23/1976	
	166.	3,751,025		Beery et al.	08/07/1973	
	167.	3,667,525		Spieth	06/06/1972	
	168.	3,620,558		Daniel G. MacMillan	11/16/1971	
	169.	3,578,278		Norman C. Pickering	05/11/1971	
	170.	3,577,791		Jan Abraham Vanden Broek	05/04/1971	
	171.	3,601,476		Donald R. MacKenzie	08/24/1971	
	172.	3,565,515		C.F. DE MEY II	02/23/1971	
	173.	3,460,786		E. I. RIVIN	08/12/1969	
	174.	3,533,012		W. M. JOHNSON ET AL.	10/06/1970	
	175.	3,478,608		V. MET	11/18/1969	
	176.	3,442,475		E. I. RIVIN	05/06/1969	
	177.	3,357,268		T.L. RICHTER	12/12/1967	
	178.	2,367,139		T.I. RESS	01/09/1945	
	179.	1,306,906		F. O. JAKES, SR.	06/17/1919	
	180.	1,143,165		F. BEGUSCH	06/15/1915	

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FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office	Number	Kind Code			
	181.		JP 10144601		Ebihara Akimitsu	11/14/1996	
	182.		JP 09330875		Mori Futoshi	06/07/1996	
	183.		JP 08088167		Makita Yoshinori	09/02/1994	
	184.		JP 03021894		Komiyama Shigeru	01/30/1991	
	185.		CA 2,199,423		SONG, Ike J. et al.	03/07/1996	
	186.		GB 2 131 971 A		Ronald Bicknell	06/27/1984	
	187.		GB 2 124 402 A		Brian Arthur Eales et al.	07/27/1982	

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RECEIVED

SEP 19 2001

TO 3600 MAIL ROOM

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

188.	J. M. Kahn, C. A. Burrus, and G. Raybon, "High-Stability 1.5 um External-Cavity Semiconductor Lasers for Phase-Lock Applications, Photonics Technology Letters, Vol. 1. No. 7, July 1989.	
189.	P. Zorabedian and W. R. Trutna, Jr., "Interference-filter-tuned, alignment-stabilized, semiconductor external-cavity laser", 1988, Optical Society of America.	
190.	A. Schremer and C. L. Tang, "Single-Frequency tunable external-cavity semiconductor laser using an electro-optic birefringent modulator", Appl. Phys. Lett., Vol. 55, No. 1, 3 July 1989.	
191.	M. W. Maeda, J. S. Patel, D. A. Smith, Chinlon Lin, M. A. Saifi, and A. Von Lehman, "An Electronically Tunable Fiber Laser with a Liquid-Crystal Etalon Filter as the Wavelength-Tuning Element", IEEE Photonics Technology Letters, Vol. 2, No. 11, November 1990.	
192.	Katsuhiko Hirabayashi, Hiroyuki Tsuda, and Takashi Kurokawa, "Tunable Liquid-Crystal Fabry-Perot Interferometer Filter for Wavelength-Division Multiplexing Communication Systems", Journal of Lightwave Technology, Vol. 11, No. 12, December 1993.	
193.	Stephen R. Mallinson, "Wavelength-selective filters for single-mode fiber WDM systems using Fabry-Perot interferometers", APPLIED OPTICS, Vol. 26, No. 3, 1 February 1987.	
194.	W. Gunning, J. Pasko, J. Tracy, "A liquid crystal tunable spectral filter: visible and infrared operation", SPIE Vol. 268 Imaging Spectroscopy (1981).	
195.	Hiroyuki Tsuda, Katsuhiko Hirabayashi, Yuichi Tohmori, and Takashi Kurokawa, "Tunable Light Source Using a Liquid-Crystal Fabry-Perot Interferometer", IEEE Photonics Technology Letters, Vol. 3. No. 6. June 1991.	
196.	John R. Andrews, "Low Voltage Wavelength Tuning of an External Cavity Diode Laser Using a Nematic Liquid Crystal-Containing Birefringent Filter", IEEE Photonics Technology Letters. Vol. 2, No. 5, May 1990.	
197.	N. A. Olsson and J. P. Van Der Ziel, "Performance Characteristics of 1.5-um External Cavity Semiconductor Lasers for Coherent Optical Communication", Journal Of Lightwave Technology, Vol. LT-5. No. 4, April 1987.	
198.	Hecht Optics Second Edition, Eugene Hecht, reprinted 1990, reference text, pgs 303 # 368.	
199.	RIVIN, EUGENE I., "Vibration isolation of precision equipment", Precision Engineering, 1995, Pgs. 41-56, Vol. 17	
200.	"Marsh Mellow Springs Vibration Isolation Design Manual", 1998, Firestone Industrial Products Company	

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Sheet	7	of	7		

	201.	RIVIN, EUGENE I., "Shaped Elastomeric Components for Vibration Control Devices", Sound and Vibration, July 1999, Pgs. 18-23, Vol. 33, No. 7
--	------	---

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SEP 19 2001

TO 3600 MAIL ROOM

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